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TECHNICAL REPORT

For The

Cargo Movement Operations System (CMOS)

Preliminary Software Test Description
Increment II



Science Applications International Corporation

An Employee-Owned Company

91-03478



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TECHNICAL REPORT
For The
Cargo Movement Operations System (CMOS)
Preliminary Software Test Description
Increment II

26 Jun 1991

Prepared under
Contract Number F11624-88-D-0001/6K12
CDRL #A004-119

Prepared for
Standard Systems Center (SSC)
Deputy Chief of Staff for Acquisition
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SECTION I.

INTRODUCTION.

The purpose of this technical report is to review the Preliminary Software Test Description, Increment II, CDRL A009-06, which has been produced for the Government by Evaluation Research Corporation. The results are provided in the form of Data Item Discrepancy Worksheets as requested by the CMOS Program Office.

SUMMARY. Not Used.

CONCLUSION. Not Used.

(25) * Computer programs,
* Cargo handling,
* Software engineering,
CMOS (Cargo Movement
Operations System).

SECTION II.

RESULTS. The SAIC analysis is provided in the attached Data Item Discrepancy Worksheets. This section is separately divided into Applications and System Environment STD comments to be consistent with the format of the STD.

APPLICATIONS STD

The following comments are related to the
Applications STD:

ORIGINATOR CONTROL NUMBER: STD1-0001
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-06

DATE: 06/06/91

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 50

PARA NUMBER: 4.1.19

COMMENT OR RECOMMENDED CHANGE:

Reconcile that this test description has no allocated shall statement.

RATIONALE:

Each test description should be based on a shall statement requirement.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: STD1-0002
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-06

DATE: 06/06/91

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 102

PARA NUMBER: 4.9.1k

COMMENT OR RECOMMENDED CHANGE:

Change SS0554 to SS0544.

RATIONALE:

It appears a transposition of numbers occurred within this shall statement.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: STD1-0003
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-06

DATE: 06/06/91

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: N/A

PARA NUMBER: N/A

COMMENT OR RECOMMENDED CHANGE:

Add test descriptions for the following shall statements and associated test functions:

SHALL STATEMENTS

TEST FUNCTIONS

SS0638

TF1

SS2392

TF0

SS7010

TF0

RATIONALE:

These shall statements were not found in the STD.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: STD1-0004
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-06

DATE: 06/06/91

ORIGINATOR NAME: Vivian L. Martin

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: N/A

PARA NUMBER: 4.x.y.2

COMMENT OR RECOMMENDED CHANGE:

Comply with paragraph 10.1.6.1.1.3 of DI-MCCR-80015A, which requires the name, purpose, description, and source of each test input be stated.

RATIONALE:

A key factor in effective execution of the test descriptions during Formal Qualification Testing (FQT) is the specification of test inputs. Section 4 does not provide test input data specifications. Recall that Increment I STDs did not specify test inputs; we believe this resulted in many lost man-hours and unnecessary FQT failures. Also, the last minute scramble for test inputs led to sloppy data preparation and input, unpredictable results, and an atmosphere not conducive to productive testing. As a result, many tests were failed and subsequently repeated. This comment applies to all three STD documents.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

SYSTEM ENVIRONMENT STD

**The following comment is related to the
System Environment STD:**

ORIGINATOR CONTROL NUMBER: STD2-0001
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-06

DATE: 06/06/91

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: N/A

PARA NUMBER: N/A

COMMENT OR RECOMMENDED CHANGE:

Add test description for SS02088. In addition, this shall statement is not found under TF3 in the STP as reflected in the RTM.

RATIONALE:

This shall statement was not found in the STD.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []